OFFICIAL BID PACKAGE

Pipe and Pipe Fittings 2012

Bid August 27, 2012

The City of Canton

LEGAL NOTICE

Ordinance 15-2012

The Director of Public Service of the City of Canton, Ohio will accept sealed bids until 2:00PM, Local Time on **MONDAY, AUGUST 27, 2012**, for the purpose of securing bids for,

PIPE AND PIPE FITTINGS 2012

Submit bid according to the specifications and bid sheet(s) on file and available in the Contract Office/Sixth Floor, Purchasing Department, Canton City Hall Building. The Sixth Floor Conference Room of Canton City Hall is the location for the Bid Opening.

Submit all bids to the City of Canton Contract Office, 218 Cleveland Avenue SW, Purchasing Department/ Sixth Floor, Canton, Ohio 44702 before 2:00 p.m. on the day of the bid opening. THE CITY WILL DISQUALIFY ANY BID NOT RECEIVED IN THE CONTRACT OFFICE ON OR BEFORE 2:00 PM ON **MONDAY, JULY 27, 2012**.

Each bid must contain the full name of every person or company participating in the bid. A CERTIFIED CHECK, CASHIER'S CHECK or SURETY BOND must accompany the bid. Draw this check or bond from a solvent bank or bonding company satisfactory to the Director of Public Service as a guarantee the contract and its performance properly secured if the bid is accepted.

You the Bidder shall verify the CERTIFIED CHECK, CASHIER'S CHECK or BID BOND for the amount of **FIVE HUNDRED ($500.00) DOLLARS.** PLEASE NOTE. THE CITY OF CANTON WILL ONLY ACCEPT ORIGINAL CHECKS AND BID BONDS. THEREFORE, IF ANY COMPANY AND/OR BIDDER SUBMITS A COPY (INCLUDING FAXED COPIES) OF HIS/HER $500.00 SECURITY, THE CITY WILL DISQUALIFY YOUR BID.

The Director of Public Service reserves the right to waive any technical defects in any bid bond submitted so long as the bond is in substantial compliance with State Law. Any bidder may withdraw his bid, by written request, at any time prior to the hour set for the bid opening. Please be advised, the city of canton may impose a $500.00 penalty to any bidder that withdraws his bid after the bid opening and prior to a contract award(s).

Should any bid be rejected, such check or bond will be returned to the bidder or bidders within ten (10) days after the contract is awarded, and should any bid be accepted, such check or bond will be returned upon execution and securing of contract. Bidders shall be prepared to furnish any information requested regarding return of bond or check.

The Board of Control reserves the right to reject any or all bids and to accept the bid(s) deemed most beneficial to the City of Canton. All companies must submit their Federal ID Number.
BY ORDER OF THE DIRECTOR OF PUBLIC SERVICE
WARREN PRICE
PUBLISHED IN THE CANTON REPOSITORY: August 10 and August 17, 2012

_____, 2012

To the Director of Public Service
City of Canton, Ohio

The undersigned agree to furnish to the City of Canton, Ohio Water Department, the materials in the estimated quantities as stated (more or less), F.O.B. per truck load anywhere in the Canton area, and as per the specifications -

WE WILL ACCEPT ONLY *ONE* MANUFACTURER IN EACH SECTION AND ALL ITEMS IN EACH SECTION MUST BE BID. WE WILL ACCEPT BIDS FROM MANUFACTURERS ONLY FOR DUCTILE IRON PIPE AND DUCTILE IRON FITTINGS. BIDS SUBMITTED BY DISTRIBUTORS WILL BE REJECTED FOR DUCTILE IRON PIPE AND DUCTILE IRON FITTINGS .

DUCTILE CAST IRON PIPE 4”-12” - PUSH ON JOINTS, CEMENT LINED, AMERICAN STANDARDS ASSOCIATION THICKNESS CLASS 53, MANUFACTURING STANDARDS ASA A21.51 AND ASA A21.4 (WITH ACCESSORIES) F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	4000 ft. - 4" pipe	$_____
2	4000 ft. - 6" pipe	$_____
3	4000 ft. - 8" pipe	$_____
4	500 ft. - 10" pipe	$_____
5	4000 ft. - 12" pipe	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

DUCTILE CAST IRON PIPE 16”-36” - PUSH ON JOINTS, CEMENT LINED, AMERICAN STANDARDS ASSOCIATION THICKNESS, MANUFACTURING

STANDARDS ASA A21.51 AND ASA A21.4 (WITH ACCESSORIES) F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	500 ft. - 16" Class 54 pipe	$_____
2	500 ft. - 18" Class 54 pipe	$_____
3	500 ft. - 20" Class 54 pipe	$_____
4	500 ft. - 24" Class 54 pipe	$_____
5	500 ft. – 30” Class 54 pipe	$_____
6	500 ft. – 36” Class 54 pipe	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MECHANICAL JOINT DUCTILE IRON PIPE 4”-12” - AMERICAN STANDARDS ASSOCIATION THICKNESS CLASS 53, MANUFACTURING STANDARDS ASA A21.51 AND ASA A21.4 (WITH ACCESSORIES) F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	750 ft. - 4" pipe	$_____
2	750 ft. - 6" pipe	$_____
3	750 ft. - 8" pipe	$_____
4	750 ft. - 12" pipe	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MECHANICAL JOINT DUCTILE IRON PIPE 16”-36” - AMERICAN STANDARDS ASSOCIATION THICKNESS CLASS 53, MANUFACTURING STANDARDS ASA A21.51 AND ASA A21.4 (WITH ACCESSORIES) F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	750 ft. - 16" pipe	$_____
2	750 ft. - 20" pipe	$_____
3	750 ft. - 24" pipe	$_____
4	750 ft. - 30" pipe	$_____
5	750 ft. - 36" pipe	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

PVC WATER DISTRIBUTION PIPE - AWWA C909 DR-14 POLY(VINYL CHLORIDE) F.O.B. CANTON, OHIO

This specification covers the requirements for AWWA C909 Poly (Vinyl Chloride) PVC water distribution pipes with integral bell and spigot gasketed joints in Cast Iron Outside Diameter (CIOD) nominal sizes 4", 6", 8", 12" and 16". The pipes must meet the requirements of American Water Works Association standard ANSI/AWWA C-909 and must be 150 or 200 psi rated.

The pipe must be manufactured from virgin PVC compound meeting the requirements of cell class 12454-B as defined by ASTM D-1784, Standard Specification for Rigid Poly (Vinyl Chloride)PVC Compounds. These compounds must have a hydrostatic design basis rating of 7,100 psi for water at 73.4 degree F. The pipe must be certified by NFS International to ANSI/NSF Standard 61 and must meet all quality assurance testing requirements as specified in ANSI/AWWA C-909.

The pipes must be manufactured to the Cast Iron Outside Diameter nominal size series for use as a pressure conduit. The DR-14 wall thickness class pipes must be rated as Pressure Class 150 or 200. The pipe must utilize a ocked inintegral gasket joint design meeting the requirements of ASTM D-339, Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals. The gaskets must be reinforced with a steel band and conform to the requirements of ASTM F-477, Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipes. Markings shall be as

specified in ANSI/AWWA C-909.

Item	Estimated Quantity and Size	Per Foot
1	4" PVC pipe (C900) - 150 psi rated	$_____
2	6" PVC pipe - 150 psi rated	$_____
3	8" PVC pipe - 150 psi rated	$_____
4	12" PVC pipe - 150 psi rated	$_____
5	16" PVC pipe - 165 psi rated	$_____
6	4" PVC pipe - 200 psi rated	$_____
7	6" PVC pipe - 200 psi rated	$_____
8	8" PVC pipe - 200 psi rated	$_____
9	12" PVC pipe - 200 psi rated	$_____
10	16” PVC pipe - 200 psi rated	$_____

Terms _____
Manufacturer's Name _____
Delivery _____
Remarks _____

REDUCERS - COMPACT DUCTILE MECHANICAL JOINT ENAMEL LINED HALF THICKNESS – CLASS 250 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) F.O.B. CANTON

Item	Estimated Quantity and Size	Clow or Equal	Each
1	10 - 6 x 4 red.-full (sp to sp)	C153	$_____
2	5 - 8 x 6 reducer (sp to sp)	C153	$_____
3	5 - 12 x 8 reducer (sp to sp)	C153	$_____
4	5 - 12 x 10 reducer (sp to sp)	C153	$_____
5	5 - 6 x 4 reducer (seb-lep)	C110	$_____
6	5 - 6 x 4 reducer (leb-sep)	C110	$_____
7	5 - 6 x 4 reducer (b to b)	C110	$_____
8	5 - 8 x 6 reducer (b to b)	C110	$_____
9	10-6 x 4 reducer (sp to sp)	C110	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

REDUCERS - MECHANICAL JOINT ENAMEL LINED HALF THICKNESS - CLASS 250 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**)

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	5 - 12 x 8 reducer (b to b)		$_____
2	5 - 12 x 8 reducer (leb-sep)		$_____
3	5 - 12 x 6 reducer (b to b)		$_____
4	5 - 12 x 6 reducer (leb-sep)		$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BENDS - MECHANICAL JOINT ENAMEL LINED HALF THICKNESS CLASS 350 - DUCTILE IRON-W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) F.O.B. CANTON

Item	Estimated Quantity and Size	Clow or Equal Compact Ductile	Each
1	20 - 4" 90 deg bend (b to b)	C153	$_____
2	20 - 6" 90 deg bend (b to b)	C153	$_____
3	20 - 8" 90 deg bend (b to b)	C153	$_____
4	20 -12" 90 deg bend (b to b)	C153	$_____
5	20 - 4" 45 deg bend (b to b)	C153	$_____
6	20 - 6" 45 deg bend (b to b)	C153	$_____
7	20 - 8" 45 deg bend (b to b)	C153	$_____
8	20 - 12" 45 deg bend (b to b)	C153	$_____
9	20 - 4" 22-1/2 deg bend (b to b)	C153	$_____
10	20 - 6" 22-1/2 deg bend (b to b)	C153	$_____
11	20 - 8" 22-1/2 deg bend (b to b)	C153	$_____
12	20 - 12" 22-1/2 deg bend (b to b)	C153	$_____
13	20 - 4" 11-1/4 deg bend (b to b)	C153	$_____
14	20 - 6" 11-1/4 deg bend (b to b)	C153	$_____
15	20 - 8" 11-1/4 deg bend (b to b)	C153	$_____
16	20 - 12" 11-1/4 deg bend (b to b)	C153	$_____
17	20 - 6"x18" offset bend (b to b)	C110	$_____
18	20 - 6"x24" offset bend (b to b)	C110	$_____
19	20 - 4"x18" offset bend (b to b)	C110	$_____
20	20 - 4"x24" offset bend (b to b)	C110	$_____
21	20 - 8"x18" offset bend (b to b)	C110	$_____
22	20 - 8"x24" offset bend (b to b)	C110	$_____

23	20 - 12"x18" offset bend (b to b)	C110	$_____
24	20 - 12"x24" offset bend (b to b)	C110	$_____
25	6 - 6" x 12" offset bend (b to b)	C110	$_____
26	6 - 8" x 12" offset bend (b to b)	C110	$_____
27	6 - 12" x 12" offset bend (b to b)	C110	$_____
28	20 - 490 deg bend (b to Sp)	C153	$_____
29	20 - 6" 90 deg bend (b to Sp)	C153	$_____
30	20 - 8" 90 deg bend (b to Sp)	C153	$_____
31	20 - 12" 90 deg bend (b to Sp)	C153	$_____
32	20 - 4" 45 deg bend (b to Sp)	C153	$_____
33	20 - 6" 45 deg bend (b to Sp)	C153	$_____
34	20 - 8" 45 deg bend (b to Sp)	C153	$_____
35	20 - 12" 45 deg bend (b to Sp)	C153	$_____
36	20 - 4" 22-1/2 deg bend (b to Sp)	C153	$_____
37	20 - 6" 22-1/2 deg bend (b to Sp)	C153	$_____
38	20 - 8" 22-1/2 deg bend (b to Sp)	C153	$_____
39	20 - 12" 22-1/2 deg bend (b to Sp)	C153	$_____
40	20 - 4" 11-1/4 deg bend (b to Sp)	C153	$_____
41	20 - 6" 11-1/4 deg bend (b to Sp)	C153	$_____
42	20 - 8" 11-1/4 deg bend (b to Sp)	C153	$_____
43	20 - 12" 11-1/4 deg bend (b to Sp)	C153	$_____
44	5 - 16" 22-1/2 deg bend (b to b)	C153	$_____
45	5 - 16" 45 deg bend (b to b)	C153	$_____
46	5 - 16" 90 deg bend (b to b)	C153	$_____
47	5 – 20” 22-1/2 deg bend (b to b)	C153	$_____
48	5 – 20” 45 deg bend (b to b)	C153	$_____
49	5 – 20” 90 deg bend (b to b)	C153	$_____
50	5 – 24” 22-1/2 deg bend (b to b)	C153	$_____
51	5 – 24” 45 deg bend (b to b)	C153	$_____
52	5 – 24” 90 deg bend (b to b)	C153	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

ANCHOR TEES - MECHANICAL JOINT CLOW C-153 OR EQUAL - DUCTILE IRON - CLASS 350 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) - F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each

1	20 - 6 x 6 anchor tee	$_____
2	20 - 8 x 6 anchor tee	$_____
3	20 - 8 x 8 anchor tee	$_____
4	20 - 12 x 6 anchor tee	$_____
5	20 - 12 x 8 anchor tee	$_____
6	10 - 16 x 6 anchor tee	$_____
7	8 - 20 x 6 anchor tee	$_____
8	8 - 24 x 6 anchor tee	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SMITH BLAIR COUPLING #441 - MUST HAVE STAINLESS STEEL NUTS & BOLTS. F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	10- 3" coupling 441-000-396-000	$_____
2	40- 4" coupling 441-000-510-000	$_____
3	85 - 6" coupling 441-000-722-000	$_____
4	60 - 8" coupling 441-000-945-900	$_____
5	10 -10" coupling 441-001-140-900	$_____
6	10 - 12" coupling 441-001-350-900	$_____
7	10 - 16" coupling 441-000-1780-931	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SMITH BLAIR COUPLING #442 - MUST HAVE 431 STAINLESS STEEL NUTS & BOLTS. F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	40- 4" coupling 442-00000-510-431	$_____
2	85 - 6" coupling 442-00000-722-431	$_____
3	60 - 8" coupling 442-00000-945-431	$_____
4	10 -10" coupling 442-0000-1160-431	$_____
5	10 - 12" coupling 442-0000-1350-431	$_____

6	10 – 14” coupling 442-0000-1550-431	$_____
7	10 - 16" coupling 442-0000-1780-431	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

TPS HYMAX COUPLINGS - MUST HAVE STAINLESS STEEL NUT & BOLTS
F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Part Number	Overall Range	Each
1	10 1.5coupling	2000-0213-260	1.61-2.13”	$_____
2	10 2coupling	2000-0303-260	2.10-3.03”	$_____
3	10 3coupling	2000-0433-260	3.46-4.33”	$_____
4	10 4coupling	2000-0511-260	4.25-5.11”	$_____
5	10 4o.s. coupling	2000-0561-260	4.75-5.61”	$_____
6	10 6coupling	2000-0768-260	6.42-7.68”	$_____
7	10 8coupling	2000-0984-260	8.54-9.84”	$_____
8	10 10coupling	2000-1200-260	10.70-12.00”	$_____
9	10 10o.s. coupling	2000-1226-260	10.96-12.26”	$_____
10	10 12coupling	2000-1366-260	12.40-13.66”	$_____
11	10 12s.s. coupling	2000-1441-260	13.15-14.41”	$_____
12	10 16coupling	2000-1920-260	17.10-19.20”	$_____

Terms _____
Manufacturer's Name _____
Delivery _____
Remarks _____

PLUGS W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) - F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	2 - 4" mechanical plug w/2" outlet	F-1054	$_____
2	4 - 6" mechanical plug w/2" outlet	F-1054	$_____
3	4 - 8" mechanical plug w/2" outlet	F-1054	$_____
4	2 - 12" mechanical plug w/2" outlet	F-1054	$_____
5	2 - 4" mechanical plug	F-1035	$_____
6	3 - 6" mechanical plug	F-1035	$_____

7	3 - 8" mechanical plug	F-1035	$_____
8	2 - 12" mechanical plug	F-1035	$_____
9	4 - 4" restrained plug solid w/2" tap	F-1159	$_____
10	6 - 6" restrained plug solid w/2" tap	F-1159	$_____
11	6 - 8" restrained plug solid w/2" tap	F-1159	$_____
12	4 - 12"restrained plug solid w/2" tap	F-1159	$_____
13	4 - 4" restrained plug solid	F-1159	$_____
14	6 - 6" restrained plug solid	F-1159	$_____
15	6 - 8" restrained plug solid	F-1159	$_____
16	4 - 12" restrained plug solid	F-1159	$_____
17	6 – 16” mechanical plug	F-1035	$_____
18	6 – 20” mechanical plug	F-1035	$_____
19	6 – 24” mechanical plug	F-1035	$_____
20	6 – 16” mechanical plug w/2” outlet	F-1054	$_____
21	6 – 20” mechanical plug w/2” outlet	F-1054	$_____
22	6 – 24” mechanical plug w/2” outlet	F-1054	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SLEEVES - SOLID – DUCTILE IRON CL 53 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) – F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	10 - 4" solid sleeve 12" length Class 53 Ductile	Fl014	$_____
2	20 - 6" solid sleeve 12" length Class 53 Ductile	Fl0l4	$_____
3	10 - 8" solid sleeve 12" length Class 53 Ductile	Fl0l4	$_____
4	10 - 10" solid sleeve 12" length Class 53 Ductile	Fl0l4	$_____
5	10 - 12" solid sleeve 12" length	Fl0l4	

	Class 53 Ductile		$_____
6	5 - l6" solid sleeve 15" length	Fl0l4	
	Class 53 Ductile		$_____
7	6 - 20" solid sleeve 15" length	Fl0l4	
	Class 53 Ductile		$_____
8	6 - 24" solid sleeve 15" length	Fl0l4	
	Class 53 Ductile		$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SLEEVES - DUO - DUCTILE IRON CLASS 53 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS) – F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	10 - 4" duo sleeve	F-1208	
	Class 53 Ductile		$_____
2	10 - 6" duo sleeve	F-1208	
	Class 53 Ductile		$_____
3	10 - 8" duo sleeve	F-1208	
	Class 53 Ductile		$_____
4	1 - 10" duo sleeve	F-1208	
	Class 53 Ductile		$_____
5	5 - 12" duo sleeve	F-1208	
	Class 53 Ductile		$_____

Terms_____
Manufacturer's Name_____

Delivery_____
Remarks_____

SLEEVES - CUTTING IN - DUCTILE IRON CLASS 53 W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) – MUST HAVE TEST PLUG IN SLEEVE BODY – F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	10 - 4" cutting in sleeve	F1220	$_____
2	10 - 6" cutting in sleeve	F1220	$_____
3	10 - 8" cutting in sleeve	F1220	$_____
4	10 - 10" cutting in sleeve	F1220	$_____
5	10 - 12" cutting in sleeve	F1220	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

ANCHOR COUPLINGS - W/ROTO RING FLANGED - CLOW C-153 OR EQUAL
F.O.B.CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	l - 4" anchor coupling	$_____
2	30 - 6" anchor coupling	$_____
3	25 - 8" anchor coupling	$_____
4	12 - 12" anchor coupling	$_____
5	12 - 16" anchor coupling	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

TEES - MECHANICAL JOINT ENAMEL LINED HALF THICKNESS - CLASS 350 DUCTILE IRON W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) CLOW C-153 OR EQUAL - F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	10 - 4 x 4 mechanical tee	$_____
2	10 - 6 x 4 mechanical tee	$_____
3	10 - 6 x 6 mechanical tee	$_____
4	10 - 8 x 4 mechanical tee	$_____
5	10 - 8 x 6 mechanical tee	$_____
6	10 - 8 x 8 mechanical tee	$_____
7	10 - 12 x 6 mechanical tee	$_____
8	10 - 12 x 8 mechanical tee	$_____
9	10 - 12 x 12 mechanical tee	$_____
10	5 - 16 x 6 mechanical tee	$_____
11	5 - 16 x 8 mechanical tee	$_____
12	5 - 16 x 12 mechanical tee	$_____
13	5 - 16 x 16 mechanical tee	$_____
14	5 - 20 x 6 mechanical tee	$_____
15	5 - 20 x 8 mechanical tee	$_____
16	5 - 20 x 12 mechanical tee	$_____
17	5 - 20 x 16 mechanical tee	$_____
18	5 - 20 x 20 mechanical tee	$_____
19	5 - 24 x 6 mechanical tee	$_____
20	5 - 24 x 8 mechanical tee	$_____
21	5 - 24 x 12 mechanical tee	$_____
22	5 - 24 x 16 mechanical tee	$_____
23	5 - 24 x 24 mechanical tee	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

CROSSES - MECHANICAL JOINT ENAMEL LINED HALF THICKNESS - CLASS 350 DUCTILE IRON W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) CLOW C-153 OR EQUAL - COMPACT - F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	5 - 4 x 4 mechanical cross	$_____
2	5 - 6 x 6 mechanical cross	$_____
3	5 - 8 x 8 mechanical cross	$_____
4	5 - 10 x 10 mechanical cross	$_____
5	5 - 12 x 12 mechanical cross	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

VALVES

F.O.B. CANTON, OHIO

The items covered by this specification shall meet all applicable AWWA C509 standards and the following specifications:

All valves shall be non-rising stem, iron body, resilient wedge disc.

The design of the thrust collar shall be such that the thrust collar is sealed from line pressure by means of an "O" ring seal.

All valves shall be furnished with a two (2) inch square operating nut, OPEN RIGHT.

All valves shall be furnished with mechanical joint end connections.

The stem shall be protected from external grit by a weather shield and an upper "O" ring. Stem shall be lubricated.

Gate coating shall have a minimum thickness of 10 mils.

Valve shall be tested at the rated working pressure of 250 psi with no leakage. Shell test of 500 psi shall be applied to body with valve in the open position with no leakage through the metal, stem seals or joints.

Valve must have traditional stuffing box.

All bolting material in the thrust collar and bonnet shall be **#316** ss bolts.

All valves with accessories (flanges, rubbers, nuts, bolts **packed as one unit**).

Item	Estimated Quantity and Size	Each
1	15 - 4" mechanical gate valve	$_____
2	40 - 6" mechanical gate valve	$_____
3	30 - 8" mechanical gate valve	$_____
4	2 - 10" mechanical gate valve	$_____
5	15 - 12" mechanical gate valve	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

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The stem shall be protected from external grit by a weather shield and an upper "O" ring. Stem shall be lubricated.

Gate coating shall have a minimum thickness of 10 mils.

Valve shall be tested at the rated working pressure of 250 psi with no leakage. Shell test of 500 psi shall be applied to body with valve in the open position with no leakage through the metal, stem seals or joints.

Valve must have traditional stuffing box.

All bolting material in the thrust collar and bonnet shall be **#316** ss bolts

All valves with accessories (flanges, rubbers, nuts, bolts **packed as one unit**).

Item	Estimated Quantity and Size	Each
1	2 - 16" mechanical gate valve	$_____
2	2 - 18" mechanical gate valve	$_____
3	2 - 20" mechanical gate valve	$_____
4	2 - 24" mechanical gate valve	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

CUT IN VALVES - MUELLER 863 OR EQUAL - OPEN RIGHT - RESILIENT SEAL WITH **#316** SS BONNET BOLTS - F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	10 - 4" cut in valve	$_____
2	15 - 6" cut in valve	$_____
3	10 - 8" cut in valve	$_____
4	5 - 12" cut in valve	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BUTTERFLY VALVES 150B W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) – F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	1 - l6" butterfly valve	$_____
2	1 - 18" butterfly valve	$_____
3	1 - 20" butterfly valve	$_____
4	l - 24" butterfly valve	$_____
5	l - 30" butterfly valve	$_____
6	l - 36" butterfly valve	$_____

Terms_____
Manufacturer's Name_____
Delivery_____

Remarks_____

MECHANICAL JOINT CAPS W/ACCESSORIES (FLANGES, RUBBERS, NUTS, BOLTS **PACKED AS ONE UNIT**) – F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Clow or Equal	Each
1	6 - 4" cap	Fl040	$_____
2	6 - 6" cap	Fl040	$_____
3	6 - 8" cap	Fl040	$_____
4	4 - 12" cap	Fl040	$_____
5	4 - 16" cap	Fl040	$_____
6	4 - 20" cap	Fl040	$_____
7	4 - 24" cap	Fl040	$_____
8	4 - 4" cap w/2" tapped outlet	F1042	$_____
9	4 - 6" cap w/2" tapped outlet	F1042	$_____
10	4 - 8" cap w/2" tapped outlet	F1042	$_____
11	4 - 12" cap w/2" tapped outlet	F1042	$_____
12	4 -16”cap w/2” tapped outlet	F1042	$_____
13	4 -20”cap w/2” tapped outlet	F1042	$_____
14	4 -24”cap w/2” tapped outlet	F1042	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

TAPPING SLEEVE F.O.B. CANTON, OHIO

The Fast Tapping Sleeve will be constructed of Grade 18-8, Type 304 stainless steel and will feature stainless steel bolts with heavy hex nuts. The heavy hex nuts and washers must have special lubricating fluorocarbon coating, heat cured to prevent galling. Stainless steel lifter bars will be incorporated in the design of the Tapping Sleeve and each bar will span the sleeve length to provide even torque distribution.

The Fast Sleeve will be furnished with a gridded rubber gasket, consisting of SBR compounded for water service meeting ASTM D2000 80M4AA607. The gasket will provide 360 degree circumferential support and will have 16 gauge, 1/4 hard stainless steel armors, a minimum of 2.25 inches wide, molded in place to span the gap between the two Tapping Sleeve sections. Each Fast Sleeve will also have a Buna-N outlet gasket to provide primary seal.

Each sleeve will be furnished with a 3/4" test port with a square head plug for easy use. The stainless steel flange will conform to AWWA C207, Class D-ANSI 150 pound drilling and will be recessed to accept standard tapping valves. The flange face shall be smooth. A weld on the

flange face, covered with a glued-on flange gasket, will not be acceptable. The outlet neck will be welded at two locations (inside and out) to the flange and also to the sleeve. Each Fast Sleeve will be rated for 150 PSI working pressure, and 225 PSI test pressure.

All stainless steel welds used in the construction of the Sleeve will conform to AWS Codes and will be passivated in order to return the stainless steel material to its original corrosive resistant condition. The flange outlet section will be double welded, inside and out, to provide maximum strength.

Sleeves furnished for the nominal pipe sizes listed below shall have the corresponding O.D. Ranges.

Nominal Pipe Size	O. D. Range
4"	5.00-5.30
6"	6.90-7.30
8"	9.05-9.45
12"	13.10-13.50
16"	17.40-17.80

Sleeves furnished will be the FAST, as manufactured by The Ford Meter Box Company, Inc., Wabash, Indiana. F.O.B. Canton, Ohio

Item	Estimated Quantity and Size	Each
1	10 - 4 x 4 tapping sleeve	$_____
2	10 - 6 x 4 tapping sleeve	$_____
3	12 - 6 x 6 tapping sleeve	$_____
4	10 - 8 x 4 tapping sleeve	$_____
5	12 - 8 x 6 tapping sleeve	$_____
6	12 - 8 x 8 tapping sleeve	$_____
7	10 - 12 x 4 tapping sleeve	$_____
8	12 - 12 x 6 tapping sleeve	$_____
9	12 - 12 x 8 tapping sleeve	$_____
10	12 - 12 x 12 tapping sleeve	$_____
11	5 - 16 x 4 tapping sleeve	$_____
12	5 - l6 x 6 tapping sleeve	$_____
13	5 - l6 x 8 tapping sleeve	$_____
14	5 - l6 x 12 tapping sleeve	$_____
15	2 - 20 x 4 tapping sleeve	$_____
16	2 - 20 x 6 tapping sleeve	$_____
17	2 - 20 x 8 tapping sleeve	$_____
18	2 - 20 x 12 tapping sleeve	$_____
19	2 - 24 x 4 tapping sleeve	$_____
20	2 - 24 x 6 tapping sleeve	$_____
21	2 - 24 x 8 tapping sleeve	$_____
22	2 - 24 x 12 tapping sleeve	$_____

Terms_____
Manufacturer's Name_____
Delivery _____
Remarks_____

TAPPING SLEEVE WITH MECHANICAL JOINT ADAPTER OUTLET OPTION WITH STAINLESS STEEL FLANGE F.O.B. CANTON, OHIO

The Fast Tapping Sleeve will be constructed of Grade 18-8, Type 304 stainless steel and will feature stainless steel bolts with heavy hex nuts. The heavy hex nuts and washers must have special lubricating fluorocarbon coating, heat cured to prevent galling. Stainless steel lifter bars will be incorporated in the design of the Tapping Sleeve and each bar will span the sleeve length to provide even torque distribution.

The Fast Sleeve will be furnished with a gridded rubber gasket, consisting of SBR compounded for water service meeting ASTM D2000 80M4AA607. The gasket will provide 360 degree circumferential support and will have 16 gauge, 1/4 hard stainless steel armors, a minimum of 2.25 inches wide, molded in place to span the gap between the two Tapping Sleeve sections. Each Fast Sleeve will also have a Buna-N outlet gasket to provide primary seal.

Each sleeve will be furnished with a 3/4" test port with a square head plug for easy use. The stainless steel flange will conform to AWWA C207, Class D-ANSI 150 pound drilling and will be recessed to accept standard tapping valves. The flange face shall be smooth. A weld on the flange face, covered with a glued-on flange gasket, will not be acceptable. The outlet neck will be welded at two locations (inside and out) to the flange and also to the sleeve. Each Fast Sleeve will be rated for 150 PSI working pressure, and 225 PSI test pressure.

All stainless steel welds used in the construction of the Sleeve will conform to AWS Codes and will be passivated in order to return the stainless steel material to its original corrosive resistant condition. The flange outlet section will be double welded, inside and out, to provide maximum strength.
Sleeves furnished for the nominal pipe sizes listed below shall have the corresponding O.D. Ranges.

Nominal Pipe Size	O. D. Range
4"	5.00-5.30
6"	6.90-7.30
8"	9.05-9.45
12"	13.10-13.50
16"	17.40-17.80

Sleeves furnished will be the FAST, as manufactured by The Ford Meter Box Company, Inc., Wabash, Indiana. F.O.B. Canton, Ohio

WITH MECHANICAL JOINT ADAPTER OUTLET OPTION

Item	Estimated Quantity and Size	Each
1	10 - 4 x 4 tapping sleeve	$_____
2	10 - 6 x 4 tapping sleeve	$_____
3	12 - 6 x 6 tapping sleeve	$_____
4	10 - 8 x 4 tapping sleeve	$_____
5	12 - 8 x 6 tapping sleeve	$_____
6	12 - 8 x 8 tapping sleeve	$_____
7	10 - 12 x 4 tapping sleeve	$_____
8	12 - 12 x 6 tapping sleeve	$_____
9	12 - 12 x 8 tapping sleeve	$_____
10	12 - 12 x 12 tapping sleeve	$_____
11	5 - 16 x 4 tapping sleeve	$_____
12	5 - l6 x 6 tapping sleeve	$_____
13	5 - l6 x 8 tapping sleeve	$_____
14	5 - l6 x 12 tapping sleeve	$_____
15	2 - 20 x 4 tapping sleeve	$_____
16	2 - 20 x 6 tapping sleeve	$_____
17	2 - 20 x 8 tapping sleeve	$_____
18	2 - 20 x 12 tapping sleeve	$_____
19	2 - 24 x 4 tapping sleeve	$_____
20	2 - 24 x 6 tapping sleeve	$_____
21	2 - 24 x 8 tapping sleeve	$_____
22	2 - 24 x 12 tapping sleeve	$_____

Terms_____
Manufacturer's Name_____
Delivery _____
Remarks_____

TAPPING VALVE

F.O.B. CANTON, OHIO

The items covered by this specification shall meet all applicable AWWA C509 standards and the following specifications:

All valves shall be non-rising stem, iron body, resilient wedge disc.

The design of the thrust collar shall be such that the thrust collar is sealed from line pressure by means of an "O" ring seal.

All valves shall be furnished with a two (2) inch square operating nut, OPEN RIGHT.

All valves shall be furnished with mechanical joint end connections.

Valve square must be bolted, not pinned.

The stem shall be protected from external grit by a weather shield and an upper "O" ring. Stem shall be lubricated.

Gate coating shall have a minimum thickness of 10 mils.

Valve shall be tested at the rated working pressure of 250 psi with no leakage. Shell test of 500 psi shall be applied to body with valve in the open position with no leakage through the metal, stem seals or joints.

All bolting material in the thrust collar and bonnet shall be 316 ss bolts.

Valves must take full size cutter.

All valves with accessories (flanges, rubbers, nuts, bolts **packed as one unit**).

Item	Estimated Quantity and Size	Each
1	20 - 4" tapping valve	$_____
2	20 - 6" tapping valve	$_____
3	20 - 8" tapping valve	$_____
4	20 -12" tapping valve	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

POLYETHYLENE SERVICE TUBING - SHALL BE COPPER TUBE SIZE AND MEET STANDARDS ASTM-D2737 PE3408, MUST BE PERFORMANCE PIPE BY CHEVRON PHILLIPS IN 100 FOOT ROLLS ONLY NO EXCEPTIONS F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	3,000 ft. - 3/4 plastic tubing	$_____
2	3,000 ft. - l" plastic tubing	$_____
3	3,000 ft. - l-l/2" plastic tubing	$_____
4	3,000 ft. - 2" plastic tubing	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

COPPER TUBING - TYPE "K" OR EQUAL - 60 FOOT COILS

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Per Foot
1	500 ft. - 3/4" copper tubing	$_____
2	300 ft. - l" copper tubing	$_____
3	500 ft. - l-l/4" copper tubing	$_____
4	200 ft. - l-l/2" copper tubing	$_____
5	300 ft. - 2" copper tubing	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

ACCESSORIES FOR MECHANICAL JOINT FITTINGS

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	40 - 10' lengths 3/4"xl0' all thread rod n.c. underground - Stainless	$_____
2	200 - 3/4" duc lugs S-14 underground	$_____
3	50 - 3/4"xl0" 90 deg eyebolts n.c. underground with nuts	$_____
4	500 - 3/4"xl0"x3-1/2" T bolts underground with nuts	$_____
5	500 - 3/4"xl0"x4" T bolts underground with nuts	$_____
6	500 - 3/4"xl0"x4-l/2" bolts underground with nuts	$_____
7	500 - 3/4"x10"x5" T bolts underground with nuts	$_____
8	1000 - 3/4" nut for T bolts underground with nuts	$_____
9	100 - 4" mechanical joint rubber gasket	$_____
10	100 - 6" mechanical joint rubber gasket	$_____
11	100 - 8" mechanical joint rubber gasket	$_____
12	100 - 12" mechanical joint rubber gasket	$_____
13	25 - 16" mechanical joint rubber gasket	$_____
14	500 - 3-1/2" lughead T7 bolts (anti-rotating)	

	with nuts	$_____
15	500 - 4" lughead T7 bolts (anti-rotating) with nuts	$_____
16	500 - 4-1/2" lughead T7 bolts (anti-rotating) with nuts	$_____
17	500 - 3/4"x10"x5" T7 bolts (anti-rotating) with nuts	$_____
18	500 -eye bolts 3-1/2" x 3/4" with nuts	$_____
19	500 -eye bolts 4-1/2" x 3/4" with nuts	$_____
20	500 -coupling nut 3/4" (stainless)	$_____
21	25 - 4" field lock gasket	$_____
22	25 - 6" field lock gasket	$_____
23	25 - 8" field lock gasket	$_____
24	25 - 12" field lock gasket	$_____
25	25 - 16" field lock gasket	$_____
26	25 - 20" field lock gasket	$_____
27	25 - 24" field lock gasket	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

CORPORATION STOPS (1" AND UNDER) F.O.B. CANTON, OHIO

All corporation stops shall be of the round way type for insertion into water mains under pressure. The inlet thread shall be Mueller (AWWA) and conform to table one (1) of AWWA C-800 latest revision. All threads shall be protected in shipment by a plastic coating or other equally satisfactory means. All corporation stops one inch (1") and under shall be designed as to rotate about the axis of the flow passageway inside a minimum of 2-7/8" circle of rotation.

The plugs of corporation stops one inch (1") and under shall be provided with integral cast tee heads 3/8" high by 3/8" wide for shut off key. All corporation stops must operate (open and close) with a fifty (50) foot pound maximum torque at 40 degrees F. under a head of sixty (60) psi. The key and the body shall be tapered and shall be accurately fitting together by turning the key and reaming the body and the seating surfaces shall be lapped together using abrasive suspension to insure accurate fit. The key shall be securely fastened in place with the 5/8" threaded brass nut and washer at the bottom of the plug. The nut must be prestaked to distort the last thread and prevent accidental backing off of the nut.

The outlet connection may be one of two types as called for in the bid items, copper flare or compression (see specifications for compression joints) flare joints for copper tubing, services shall have threads which comply to and conform with table two of AWWA C-800 latest revision; coupling nut threads shall conform to table three of AWWA C-800 latest revision. The length of the tube nut must be of sufficient length to support pipe loading.

NO BALL VALVES WILL BE ACCEPTED.

CORPORATION STOPS (1-1/2" X 2") F.O.B. CANTON, OHIO

All corporation stops must be of the straight or tapered plug type using rubber "O" rings as pressure seals. The inlet threads shall be Mueller (AWWA) as listed above. The outlet shall be of the compression type. (See compression joint specification). All corporation stops must operate (open and close) with a fifty (50) foot pound maximum torque at 40 degrees F. under a head of sixty (60) p.s.i.
Bidder to furnish the following test data:
For corporation stops - the torque required to operate (open and close) at 40 degrees F. under a head of sixty (60) p.s.i. A fifty (50) foot pound torque maximum is required.
NO BALL VALVES WILL BE ACCEPTED.

Item	Estimated Quantity and Size	Mueller or Equal	Each
1	200 - 3/4" cop less flaring nut	Hl5000	$_____
2	150 - l" cop less flaring nut	Hl5000	$_____
3	5 - l-l/4" cop less flaring nut	Hl5000	$_____
4	200 - 1-1/2" cop less flaring nut	H15000	$_____
5	100 - 2" cop less flaring nut	H15000	$_____
6	100 - 3/4" ip x cop less flaring nut	H15025	$_____
7	50 - l" ip x cop less flaring nut	H15025	$_____
8	10 - 1-1/4" ip x cop less flaring nut	H15025	$_____
9	20 - 1-1/2" ip x cop less flaring nut	H15025	$_____
10	20 - 2" ip x cop less flaring nut	H15025	$_____
11	10 - 1" i corp stop	H10003	$_____
12	20 - 1-1/2" i corp stop	H10003	$_____
13	5 - 2" i corp stop	H10003	$_____
14	10 - 3/4" Mueller cc thread plug(sq head)	H10033	$_____
15	10 - 1" Mueller cc thread plug(sq head)	H10033	$_____
16	10 - 1-1/4" Mueller cc thread plug(sq head)	H10033	$_____
17	10 - 1-1/2" Mueller cc thread plug(sq head)	H10033	$_____
18	10 - 2" Mueller cc thread plug(sq head)	H10033	$_____

Terms_____
Manufacturer'sName_____
Delivery_____
Remarks_____

SERVICE FITTINGS 3/4", l", 1-1/4", 1-1/2" & 2" F.O.B. CANTON, OHIO

All service fittings shall fully comply with the latest AWWA Standards, and the following design requirements. The end connections shall be male iron pipe, female iron pipe, copper flare, or

compression joint (see specifications for compression joints.)

Item	Estimated Quantity & Size	Mueller or Equal	Each
1	25 - 3/4"c x l" c	H15062	$_____
2	25 - 1" c x 3/4" c	H15062	$_____
3	200 - 3/4" copper ell	Hl5068	$_____
4	200 - l" copper ell	Hl5068	$_____
5	10 - 1-1/4" copper ell	Hl5068	$_____
6	50 - 1-1/2" copper ell	Hl5068	$_____
7	50 - 2" copper ell	Hl5068	$_____
8	50 - 3/4" copper ell swivel	Hl5069	$_____
9	50 - 1" copper ell swivel	H15069	$_____
10	100 - 3/4" male coupling c.i.	Hl5425	$_____
11	100 - 1" male coupling c.i.	Hl5425	$_____
12	30 - 1-1/4" male coupling c.i	H15425	$_____
13	30 - 1-1/2" male coupling c.i	Hl5425	$_____
14	25 - 2" male coupling c.i.	Hl5425	$_____
15	150 - 3/4" female coupling c.i.	Hl5450	$_____
16	100 - 1" female coupling c.i.	Hl5450	$_____
17	15 - 1-1/4" female coupling c.i.	Hl5450	$_____
18	15 - 1-1/2" female coupling c.i.	Hl5450	$_____
19	15 - 2" female coupling c.i.	Hl5450	$_____
20	10 - 3/4" corp stop adapter	H15082	$_____
21	10 - 1" corp stop adapter	H15082	$_____
22	10 - 1-1/2" corp stop adapter	H15082	$_____
23	10 - 2" corp stop adapter	H15082	$_____
24	50 - 3/4" CI ell	Hl5460	$_____
25	75 - 2" CI ell	Hl5460	$_____
26	20 - 1-1/4" CI ell 90 deg	H15460	$_____
27	50 - l-1/2" CI ell	Hl5460	$_____
28	50 - 2" C x I ell 45 deg	H15460	$_____
29	50 - 3/4" cop to cop ell	Hl5525	$_____
30	50 - 1" cop to cop ell	Hl5525	$_____
31	100 - 3/4" cop ell 45 deg	H15063	$_____
32	100 - 1" cop ell 45 deg	H15063	$_____
33	25 - 1-1/2" cop ell 45 deg	H15063	$_____
34	20 - 2" cop ell 45 deg	H15063	$_____
35	20 - 3/4" male ell 90 deg	H15530	$_____
36	20 - 1" male ell 90 deg	H15530	$_____
37	75 - 2" comp x iron ell 90 deg	H15533	$_____
38	50 - 1-1/2" comp x iron ell 90 deg	H15533	$_____
39	25 - 1" comp x iron ell 90 deg	H15533	$_____
40	25 - 3/4" comp x iron ell 90 deg	H15533	$_____
41	25 - 3/4" swivel ell comp x c 45 deg	H15075	$_____
42	25 - 1" swivel ell comp x c 45 deg	H15075	$_____
43	25 – 1-1/2” c swivel ell 90 deg	H15069	$_____
44	30 - 3/4" comp x male ell	H15531	$_____

45	30 - 1" comp x male ell	H15531	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MECHANICAL JOINT RESTRAINTS F.O.B. CANTON, OHIO

Mechanical joint restraint shall be incorporated in the design of the follower gland and shall include a restraining mechanism which, when actuated, imparts multiple wedging action against the pipe, increasing its resistance as the pressure increases. Flexibility of the joint shall be maintained after burial. Glands shall be manufactured of ductile iron conforming to ASTM A 536-80. Restraining devices shall be of ductile iron heat treated to a minimum hardness of 370 FHN. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to ANSI/AWWA A21.ll and ANSI/AWWA Cl53/A21.53 of latest revision. Twist-off nuts, sized same as tee-head bolts, shall be used to insure proper actuating of restraining devices. The mechanical joint restraint device shall have a working pressure of at least 250 psi with a minimum safety factor of 2:l and shall be EBAA Iron, Inc., MEGALUG or equal.

Item	Estimated Quantity and Size	Each
1	50 - 4" mechanical joint restraint	$_____
2	50 - 6" mechanical joint restraint	$_____
3	50 - 8" mechanical joint restraint	$_____
4	50 - 12" mechanical joint restraint	$_____
5	10 - 16" mechanical joint restraint	$_____
6	10 - 20" mechanical joint restraint	$_____
7	10 - 24" mechanical joint restraint	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MECHANICAL JOINT RESTRAINTS FOR AWWA C900 SERIES PVC

F.O.B. CANTON, OHIO - 2000PV Mechanical Joint Restraint Specifications

Restraint devices for mechanical joint fittings and appurtenances conforming to either ANSI/AWWA C111/A21.11 or ANSI/AWWA C153/A21.53, shall conform to the following:

Design

1. Restraint devices for nominal pipe sizes 3 inch through 36 inch shall consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements of ANSI/AWWA C110/A21.10.
2. The devices shall have a working pressure rating equal to that found in the most current product brochure. Ratings are for water pressure and must include a minimum safety factor of 2:1 in all sizes.

Material

1. Gland body, wedges and wedge actuating components shall be cast from grade 65-45-12 ductile iron material in accordance with ASTM A536.
2. Three (3) test bars shall be incrementally poured per production shift as per Underwriter's Laboratory (U.L.) specifications and ASTM A536. Testing for tensile, yield and elongation shall be done in accordance with ASTM E8.
3. Chemical and nodularity tests shall be performed as recommended by the Ductile Iron Society, on a per ladle basis.

Traceability

1. An identification number consisting of year, day, plant and shift (YYDDD) (plant designation) (Shift number), shall be cast into each gland body.
2. All physical and chemical test results shall be recorded such that they can be accessed via the identification number on the casting. These Material Traceability Records (MTR's) are to be made available, in hard copy, to the purchaser that requests such documentation and submits his gland body identification number.
3. Production pieces that are too small to accommodate individual numbering, such as fasteners and wedges, shall be controlled in segregate inventory until such time as all quality control tests are passed. These component parts may then be released to a general inventory for final assembly and packaging.
4. All components shall be manufactured and assembled in the United States. The purchaser shall, with reasonable notice, have the right to plant visitation at his/her expense.

Installation

1. Mechanical joint restraint shall require conventional tools and installation procedures per AWWA C600, while retaining full mechanical joint deflection during assembly.
2. Proper actuation of the gripping wedges shall be ensured with torque limiting twist off nuts.

Approvals

1. Mechanical Joint Restraints shall be Listed by Underwriters Laboratories in the 4 inch through 12 inch sizes.
2. Mechanical Joint Restraints shall be Factory Mutual Approved in the 4 inch through 12 inch sizes.
3. Mechanical Joint Restraints, 4 inch through 24 inch, shall meet or exceed the requirements of ASTM F1674 of the latest revision.
4. Mechanical joint restraint shall be Series 2000PV produced by EBAA Iron Inc. or approved equal.

MEGA-BOND® Restraint Coating System

Coating for restraint devices shall consist of the following:

All wedge assemblies and related parts shall be processed through a phosphate wash, rinse and drying operation prior to coating application. The coating shall consist of a minimum of two coats of liquid thermoset epoxy coating with heat cure to follow each coat.

All casting bodies shall be surface pretreated with a phosphate wash, rinse and sealer before drying. The coating shall be electrostatically applied and heat cured. The coating shall be a polyester based powder to provide corrosion, impact and UV resistance.

The coating system shall be MEGA-BOND by EBAA Iron, Inc. or approved equal. Requests for approved equal must submit coating material and process details for review prior to bid.

Item	Estimated Quantity and Size	Each
1	10 - 4" mechanical joint restraint for PVC pipe	$_____
2	10 - 16" mechanical joint restraint for PVC pipe	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MECHANICAL JOINT RESTRAINTS FOR AWWA C909 SERIES PVC

F.O.B. CANTON, OHIO - **Specification for Restraint of C909 PVC 6in – 12in**

Restraint for AWWA C909 PVC Pipe shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. The restraint devices shall be coated with MEGA-BOND. (For complete specifications on MEGA-BOND visit www.ebaa.com.) The combination of the restraint(s) and fasteners shall have a pressure rating to the full pressure rating of the pipe. The restraint shall have a two to one safety factor.

Restraint at Ductile Iron Fittings:A split serrated ring shall be used to grip the plain-end of the pipe, a sufficient number of bolts shall connect the restraint ring to the ductile iron fitting. The restraint for mechanical joint fittings shall be the Series 19MJ00. The restraint for push-on fittings with restraining ears shall be the 19PF00.

Restraint Harness:A split serrated ring shall be used to grip the plain-end of the pipe. A split serrated ring shall also be used to grip the barrel of the pipe behind the bell, and a sufficient number of bolts shall be used to connect the restraint rings. The combination shall be the Series 1900.

All Series manufactured by EBAA Iron, Inc., or approved equal.

Item	Estimated Quantity and Size	Each
1	10 - 6" mechanical joint restraint for PVC pipe	$_____
2	10 - 8" mechanical joint restraint for PVC pipe	$_____
3	10 - 12" mechanical joint restraint for PVC pipe	$_____

RESTRAINT DEVICE FOR PVC PIPE BELL JOINTS

F.O.B. CANTON, OHIO

Uni-Flange Series #1390 or equal. Restraint device for bell and spigot joints of PVC pipe shall consist of split restraint rings, one installed on the spigot, connected to one installed on the pipe barrel behind the bell. The restraint device shall incorporate a series of serrations on the inside diameter to provide positive restraint, exact fit, 360 degrees contact and support of the pipe wall. Restraint device shall be of ductile iron, ASTM A536, Grade 65-45-12 or ASTM A36 structural steel, and connecting rods shall be of high strength, low alloy material in accordance with ANSI/AWWA C111/A21.11.

Restraint device shall have a water working pressure rating equivalent to the full rated pressure of the PVC pipe they are installed on with a minimum 2:1 safety factor in any nominal pipe size. In addition, they shall meet or exceed the requirements of Uni-B-13-94, Recommended Performance Specification For Joint Restraint Devices For Use With Polyvinyl Chloride (PVC) Pipe. Notarized certification from the manufacturer of the restraint device shall be provided with submittals. Restraint device for bell and spigot joints of PVC pipe shall be Uni-Flange 1390 or approved equal.

Item	Estimated Quantity and Size	Each
1	75 - 4" restraint for PVC pipe bell joints	$_____
2	75 - 6" restraint for PVC pipe bell joints	$_____
3	75 - 8" restraint for PVC pipe bell joints	$_____
4	75 - 10" restraint for PVC pipe bell joints	$_____
5	75 - 12" restraint for PVC pipe bell joints	$_____
6	75 - 16" restraint for PVC pipe bell joints	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

CURB VALVES

F.O.B. CANTON, OHIO

All curb valves are to be of the cylindrical or tapered plug type with an integrally cast tee head drilled or cored to permit attachment of operating rods. Curb valves shall be of the resilient seat type using "O" rings as pressure seals. All valves when in the closed position must have zero (0) leakage thru the top, bottom, and ports at the maximum rated working pressure of 175 p.s.i.

All curb valves must be able to withstand minimum torque requirements of 125 ft. pounds input turning torque:

a) Against the check in the opening direction
b) Against the check in the closing direction
c) With plug restrained in the open position (to stimulate blockage)

The inlet and outlet connections may be one of two types as called for in the bid items, copper flare or compression (see specification for compression joints) flare joints for copper tubing services shall have threads which comply to and conform with table two and conform with table two of AWWA C-800 latest revision; coupling nut threads shall conform to table three of AWWA C-800 latest revision. The length of tube nut must be of sufficient length to support pipe loading.

For curb valves - the torque that the valve can withstand against the check in the opening direction, against the check in the closing direction and with the plug restrained in the open position (to stimulate blockage). A 125 foot pound torque minimum is required for each of the three tests.

Item	Estimated Quantity and Size	Mueller or equal	Each
1	200 - 3/4" curb valve II	H10283	$_____
2	200 - l" curb valve II	H10283	$_____
3	10 - l-l/4" curb valve II	H10283	$_____
4	20 - l-l/2" curb valve II	H10283	$_____
5	20 - 2" curb valve II	H10283	$_____
6	250 - 3/4" curb valve CI	H15174	$_____
7	200 - l" curb valve CI	H15174	$_____
8	10 - l-l/4" curb valve CI	H15174	$_____
9	20 - l-l/2" curb valve CI	H15174	$_____
10	20 - 2" curb valve CI	H15174	$_____
11	50 - 3/4" cop x cop curb stop	H15204	$_____
12	50 - l" cop x cop curb stop	H15204	$_____
13	25- 3/4" curb valve comp x iron	H15172	$_____
14	25- 1" curb valve comp x iron	H15172	$_____

15	30 - 1-1/2"curb valve comp x iron	H15172	$_____
16	30 - 2" curb valve comp x iron	H15172	$_____
17	25 - 3/4" comp x comp curb stop	H15209	$_____
18	25 - 1" comp x comp curb stop	H15209	$_____
19	30 - 1-1/2" comp x comp curb stop	H15209	$_____
20	30 - 2" comp x comp curb stop	H15209	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

MUELLER BALL VALVES COMPRESSION X COMPRESSION B-25209 OR EQUAL F.O.B. CANTON, OHIO

Item	Estimated Quantity & Size	Mueller or Equal	Each
1	20 - 1-1/2" curb valve	B25209	$_____
2	20 - 2" curb valve	B25209	$_____
3	20 - 1-1/2" comp x I curb valve	B25172	$_____
4	20 - 2" comp x I curb valve	B25172	$_____
5	10 - 2" comp x comp curb valve	B25209	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

COMPRESSION JOINTS F.O.B. CANTON, OHIO

All compression joints must be of the conductive type. The compression nut must have a baked on coating to reduce friction and prevent the gasket from gaulding to the nut. All compression joints must be of the design so that the gasket cannot be over compressed. The joint design must permit a stab connection not requiring total disassembly of the joint. All l-l/2" and 2" compression joints must be able to withstand a pull out of 3000 lbs. tensile load.
Bidder to furnish the following test data:

For compression joints - the tensile load pull out the joint can withstand.
A 3000 pound tensile pull out minimum is required.

Item	Estimated Quantity and Size	Mueller or Equal	Each
1	40 - 3/4" stainless insert	H55	$_____
2	40 - l" stainless insert	H55	$_____
3	300 - l-l/2" stainless insert	H55	$_____
4	300 - 2" stainless insert	H55	$_____
5	30 - 3/4" female comp coup	H15071	$_____
6	30 - 1" female comp coup	H15071	$_____
7	20 - 1-1/4" female comp coup	H15071	$_____
8	200 - l-l/2" female comp coup	H15071	$_____
9	200 - 2" female comp coup	H15071	$_____
10	200 - 3/4" female instatite	H15074	$_____
11	200 - l" female instatite	H15074	$_____
12	20 - 3/4" cop union	Hl5400	$_____
13	20 - l" cop union	Hl5400	$_____
14	20 - l-l/4" cop union	Hl5400	$_____
15	20 - l-l/2" cop union	Hl5400	$_____
16	20 - 2" cop union	Hl5400	$_____
17	50 - 3/4" dresser coupling	Hl5403	$_____
18	50 - l" dresser coupling	Hl5403	$_____
19	50 - 1-1/4" dresser coupling	Hl5403	$_____
20	50 - l-l/2" dresser coupling	Hl5403	$_____
21	50 - 2" dresser coupling	Hl5403	$_____
22	50 - 3/4" male instatite	Hl5424	$_____
23	50 - l" male instatite	Hl5424	$_____
24	30 - 3/4" male comp coup	H15428	$_____
25	30 - l" male comp coup	H15428	$_____
26	20 - 1-1/4" male comp coup	H15428	$_____
27	100 - l-l/2" male comp coup	H15428	$_____
28	100 - 2" male comp coup	H15428	$_____
29	20 - 3/4"x l" male comp coup	H15428	$_____

Terms_____

Manufacturer's Name_____

Delivery_____
Remarks_____

SERVICE AND VALVE BOXES AND PARTS (BUFFALO TYPE)
MUST BE GENERAL FOUNDRY ONLY - HEAVY DUTY F.O.B. CANTON, OHIO

VALVE BOX

These specifications provide for three-piece round head screw type valve boxes and parts. These valve boxes consist of a lid, top, middle, and base section. Also, included is a screw type extension.

Nothing in these specifications shall be interpreted as relieving the manufacturer or supplier of the responsibility of furnishing a product suitable for the intended purpose.

Quality of Material - The lid, top, middle, and base section, and extension, shall be made of good quality gray cast iron conforming to Class 25 in the latest ASTM Specification A-48, saving a minimum tensile strength of 25,000 p.s.i.

Design and Dimensions - The design and dimensions shall be Buffalo type three-piece screw type as manufactured by Bingham and Taylor Corporation, or other approved equal.

The lids shall fit snug and shall not be removable except by lifting up straight from the shoulder of the top section shaft. The lids, top sections, and middles and extension of any manufacturer shall be made in such manner in conformance with the dimensions shown that will be interchangeable and fit the base section.

Coating - All castings shall be thoroughly cleaned by sand blasting, tumbling or other approved process. When entirely clean and free from rust, all castings shall be completely covered with one coat of approved asphaltum or coal tar paint which shall be allowed to dry thoroughly before shipment.

CURB BOX

These specifications provide for Buffalo type two-piece screw type curb boxes and parts. These curb boxes consist of a lid and screw, top, and bottom. Also, included in these specifications is a screw type extension for the two-piece screw type curb boxes.

Nothing in these specifications shall be interpreted as relieving the manufacturer or supplier of the responsibility for furnishing a product suitable for the intended purpose.

Quality of Material - The lid, top, and bottom section and extension shall be made of good quality gray cast iron conforming to Class 25 in the latest ASTM Specification S-48, having a minimum tensile strength of 25,000 p.s.i.

The screw shall be brass pentagon head and machined from brass bar stock.

Design and Dimensions - The design and dimensions shall be Buffalo type, new style, two piece screw type as manufactured by Bingham and Taylor Corporation, or other approved equal.

The lid shall be affixed to the top section with a brass screw. The screw shall be pentagon head 7/8" from flat to point l-3/l6" under the head, diameter l7/32" and 12 threads per inch.

The lids, screws, tops and extensions of any manufacturer shall be made in such a manner in conformance with dimensions shown that they will be interchangeable and that the top and extension shall fit the bottom section.

Workmanship - Castings shall be of uniform quality, true to the drawing, strong, tough, of even grain, sound, smooth without cold shuts, swell, scales, blisters and sand holes, cracks, or other defects.

Coating - All castings shall be thoroughly cleaned by sand blasting, tumbling or other approved process. When entirely clean and free from rust, all castings shall be completely covered with one coat of approved asphaltum or coal tar paint which shall be allowed to dry thoroughly before shipment.

MUST STAY WITH SAME MANUFACTURER FOR LENGTH OF CONTRACT

Item	Estimated Quantity and Size	Each
1	100 - "A" valve box with lid & #6 base	$_____
2	100 - "B" valve box with lid & #6 base	$_____
3	100 - "C" valve box with lid & #6 base	$_____
4	75 - "D" valve box with lid & #6 base	$_____
5	50 - valve box extension #58 - 14"	$_____
6	50 - valve box extension #59 - 20"	$_____
7	750 - 94E service box 2-l/2" shaft screw type	$_____
8	l00 - No. 4 svc. box 2-l/2" shaft screw type	$_____
9	50 - service box extension #l55 - 20"	$_____
10	50 - service box extension #l5l - 9"	$_____
11	50 - service box extension #l52 - l6"	$_____
12	300 - 2" valve box adapter less lid	$_____
13	100 - 3" valve box adapter less lid	$_____
14	75 - 4" valve box adapter less lid	$_____
15	300 - l" valve box adapter with lid	$_____
16	200 - 2-l/2" outside lid #10374	$_____
17	200 - 2-l/2" inside lid #10373	$_____
18	175 - roadway box with lid (R144) - complete	$_____
19	40 - 18" roadway box extension #49	$_____
20	300 - #6 base for "A", "B" & "C" valve box	$_____

21	100 - valve box lid for "A", "B" & "C" valve box	$_____
22	75 - top section with lid & bolt for 94E	$_____
23	50 - top section for A, B, C, D valve box	$_____
24	100 - A valve box w/lid, less base	$_____
25	100 - B valve box w/lid, less base	$_____
26	100 - C valve box w/lid, less base	$_____
27	100 - D valve box w/lid, less base	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS ELLS F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	10 - 3/4" brass ell	$_____
2	10 - l" brass ell	$_____
3	10 - l-l/4" brass ell	$_____
4	20 - l-l/2" brass ell	$_____
5	20 - 2" brass ell	$_____
6	6 - 3/4" brass street ell	$_____
7	6 - 1" brass street ell	$_____
8	6 - 1-1/4" brass street ell	$_____
9	6 - 1-1/2" brass street ell	$_____
10	6 - 2" brass street ell	$_____
11	10 - 2" brass ell 45 deg	$_____
12	10 - 1-1/2" brass ell 45 deg	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS BUSHINGS - STANDARD #570 F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	50 - l" x 3/4" brass bushing	$_____
2	50 - l-l/4" x 3/4" brass bushing	$_____
3	50 - l-l/4" x l" brass bushing	$_____
4	50 - l-l/2" x l-l/4" brass bushing	$_____
5	20 - 2" x 3/4" brass bushing	$_____
6	20 - 2" x l" brass bushing	$_____
7	50 - 2" x l-l/4" brass bushing	$_____
8	50 - 2" x l-l/2" brass bushing	$_____
9	30 - l-l/2" x 3/4" brass bushing	$_____
10	30 - l-l/2" x l" brass bushing	$_____
11	10 - 3/4" x 1/2" brass bushing	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS COUPLINGS - STANDARD F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	20 - 3/4" brass coupling	$_____
2	20 - 1" brass coupling	$_____
3	20 - 1-1/4" brass coupling	$_____
4	20 - 1-1/2" brass coupling	$_____
5	20 - 2" brass coupling	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS REDUCING COUPLINGS F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	12 - 1" x 3/4" brass reducing coupling	$_____
2	12 - 1-1/4" x 1" brass reducing coupling	$_____

3	12 - 1-1/2" x 1-1/4" brass reducing coupling	$_____
4	12 - 2" x 1-1/2" brass reducing coupling	$_____
5	12 - 3/4" x 1/2" brass reducing coupling	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS TEES

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	50 - 2" x 2" x 2" brass tee	$_____
2	100 - 2" x 2" x 3/4" brass tee	$_____
3	100 - 2" x 2" x l" brass tee	$_____
4	50 - 2x 2x 1-1/2brass tee	$_____
5	50 - l-l/2" x l-l/2" x l-l/2" brass tee	$_____
6	100 - l-l/2" x l-l/2" x 3/4" brass tee	$_____
7	100 - l-l/2" x l-l/2" x l" brass tee	$_____
8	50 - l-l/4" x l-l/4" x l-l/4" brass tee	$_____
9	25 - l-l/4" x l-l/4" x 3/4" brass tee	$_____
10	25 - l-l/4" x l-l/4" x l" brass tee	$_____
11	50 - l" x l" x l" brass tee	$_____
12	50 - 3/4" x 3/4" x 3/4" brass tee	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS NIPPLES

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	30 - l/2" x 2" brass nipple	$_____
2	30 - l/2" x 3" brass nipple	$_____
3	30 - l/2" x 4" brass nipple	$_____
4	30 - l/2" x 5" brass nipple	$_____
5	30 - l/2" x 6" brass nipple	$_____

6	30 - 3/4" x 2" brass nipple	$_____
7	30 - 3/4" x 3" brass nipple	$_____
8	30 - 3/4" x 4" brass nipple	$_____
9	30 - 3/4" x 5" brass nipple	$_____
10	30 - 3/4" x 6" brass nipple	$_____
11	30 - l" x 2" brass nipple	$_____
12	30 - l" x 3" brass nipple	$_____
13	30 - l" x 4" brass nipple	$_____
14	30 - l" x 5" brass nipple	$_____
15	30 - l" x 6" brass nipple	$_____
16	30 - l-l/4" x 2" brass nipple	$_____
17	30 - l-l/4" x 3" brass nipple	$_____
18	30 - l-l/4" x 4" brass nipple	$_____
19	30 - l-l/4" x 5" brass nipple	$_____
20	30 - l-l/4" x 6" brass nipple	$_____
21	30 - l-l/2" x 2" brass nipple	$_____
22	30 - l-l/2" x 3" brass nipple	$_____
23	30 - l-l/2" x 4" brass nipple	$_____
24	30 - l-l/2" x 5" brass nipple	$_____
25	30 - l-l/2" x 6" brass nipple	$_____
26	30 - 2" x 2" brass nipple	$_____
27	30 - 2" x 3" brass nipple	$_____
28	30 - 2" x 4" brass nipple	$_____
29	30 - 2" x 5" brass nipple	$_____
30	30 - 2" x 6" brass nipple	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

BRASS PLUGS

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	25 - 3/4" standard pipe thread (n.c.)	$_____
2	25 - l" standard pipe thread (n.c.)	$_____
3	25 - l-l/4" standard pipe thread (n.c.)	$_____
4	25 - l-l/2" standard pipe thread (n.c.)	$_____
5	25 - 2" standard pipe thread (n.c.)	$_____
6	25 - 3/4" standard pipe thread brass cap	$_____

7	25 - 1" standard pipe thread brass cap	$_____
8	25 -1-1/4" standard pipe thread brass cap	$_____
9	25 - 1-1/2" standard pipe thread brass cap	$_____
10	25 - 2" standard pipe thread brass cap	$_____
11	25 - 2-1/2" standard pipe thread brass cap	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SMITH BLAIR #411 AND #413 F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	5 - 16" #411-l740-08-003 3/8 x l0 Smith Blair	$_____
2	5 - 18" #411-l950-07-003 3/8 x 7 Smith Blair	$_____
3	5 - 18" #411-1950-08-003 3/8 x 8 Smith Blair	$_____
4	5 - 20" #411-2160-08-003 3/8 x l0 Smith Blair	$_____
5	5 - 24" #411-2580-08-003 3/8 x l0 Smith Blair	$_____
6	5 - 30" #411-3200-07-003 3/8 x 7 Smith Blair	$_____
7	5 - 36" #411-3910-007-003 3/8 x 7 Smith Blair	$_____
8	5 - 16" #413-l740-l706-202 Smith Blair	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SMITH BLAIR DRESSER COUPLING #65 GALVANIZED LONG
F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	100 - 3/4" dresser coupling galv #65 long	$_____
2	100 - l" dresser coupling galv #65 long	$_____
3	100 - l-l/4" dresser coupling galv #65 long	$_____
4	100 - l-l/2" dresser coupling galv #65 long	$_____
5	100 - 2" dresser coupling galv #65 long	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

DRESSER COUPLING STYLE 38 F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	2 - 20" Dresser coup O.D. 21.60 for Class A Pipe	$_____
2	2 - 20" Dresser coup O.D. 21.60 for Class B Pipe	$_____
3	2 - 20" Dresser coup O.D. 22.06 for Class C Pipe	$_____
4	2 - 20" Dresser coup O.D. 22.06 for Class D Pipe	$_____
5	2 - 24" Dresser coup O.D. 25.80 for Class A Pipe	$_____
6	2 - 24" Dresser coup O.D. 25.80 for Class B Pipe	$_____
7	2 - 24" Dresser coup O.D. 26.32 for Class C Pipe	$_____
8	2 - 24" Dresser coup O.D. 26.32 for Class D Pipe	$_____
9	2 - 30" Dresser coup O.D. 3l.74 for Class A Pipe	$_____
10	2 - 30" Dresser coup O.D. 32.00 for Class B Pipe	$_____
11	2 - 30" Dresser coup O.D. 32.40 for Class C Pipe	$_____
12	2 - 30" Dresser coup O.D. 32.74 for Class D Pipe	$_____
13	2 - 36" Dresser coup O.D. 37.96 for Class A Pipe	$_____
14	2 - 36" Dresser coup O.D. 38.30 for Class B Pipe	$_____
15	2 - 36" Dresser coup O.D. 38.70 for Class C Pipe	$_____
16	2 - 36" Dresser coup O.D. 39.l6 for Class D Pipe	$_____

Terms_____

Manufacturer's Name_____
Delivery_____
Remarks_____

FULL SEAL MUELLER ALL STAINLESS STEEL CLAMP SINGLE BOLT

F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	25 - 2" 520-9-2.35-2"x 9"	$_____
2	25 - 2-1/4" 520-9-2.70-2-1/4"x 9"	$_____
3	25 - 3" 520-9-2.97-3"x 9"	$_____
4	25 - 3" 520-9-3.46-3"x 9"	$_____
5	25 - 3-1/2" 520-9-3.96-3-1/2"x 9"	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

PIPE REPAIR CLAMPS - MUELLER SERIES 520, 530, 550, 220 AND 510 CLAMPS (or approved equal) MUST BE ALL STAINLESS STEEL BAND AND BOLTING MECHANISM F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	5 - #520-9-3.73-3"x9" Mueller All SS Clamp, Single Bolt	$_____
2	50 - #520-9-4.74-4"x9" Mueller All SS Clamp, Single Bolt	$_____
3	50 - #520-9-6.84-6"x9" Mueller All SS Clamp, Single Bolt	$_____
4	50 - #520-9-8.99-8"x9" Mueller All SS Clamp, Single Bolt	$_____
5	5 - #520-12-2.35-2"x12" Mueller All SS Clamp, Single Bolt	$_____
6	5 - #520-12-2.70-2"x12" Mueller All SS Clamp, Single Bolt	$_____
7	5 - #520-12-3.73-3"x12" Mueller All SS Clamp, Single Bolt	$_____
8	5 - #520-12-4.74-4"x12" Mueller All SS Clamp, Single Bolt	$_____
9	5 - #520-12-6.84-6"x12" Mueller All SS Clamp, Single Bolt	$_____
10	3 - #520-12-8.99-8"x12" Mueller All SS Clamp, Single Bolt	$_____
11	5 - #520-16-4.74-4"x16" Mueller All SS Clamp, Single Bolt	$_____
12	5 - #520-16-6.84-6"x16" Mueller All SS Clamp, Single Bolt	$_____
13	5 - #520-16-8.99-8"x16" Mueller All SS Clamp, Single Bolt	$_____
14	5 - #520-16-13.14-12"x16" Mueller All SS Clamp, Single Bolt	$_____
15	2 - #520-12-ll.04-10"x12" Mueller All SS Clamp, Single Bolt	$_____

16 6 - #520-12-13.14-12"x12" Mueller All SS Clamp, Single Bolt $_____

17 5 - #520-l6-3.73-3"xl6" Mueller All SS Clamp, Single Bolt $_____

18 5 - #520-18-2.35-2"x18" Mueller All SS Clamp, Single Bolt $_____

19 6 - #520-18-4.74-4"x18" Mueller All SS Clamp, Single Bolt $_____

20 5 - #520-18-6.84-6"x18" Mueller All SS Clamp, Single Bolt $_____

21 10 - #520-18-8.99-8"x18" Mueller All SS Clamp, Single Bolt $_____

22 3 - #520-18-11.04-10"x18" Mueller All SS Clamp, Single Bolt $_____

23 4 - #520-18-l3.14-12"xl8" Mueller All SS Clamp, Single Bolt $_____

24 5 - #522-9-4.74-4"x9"x3/4"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

25 6 - #522-9-6.84-6"x9"x3/4"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

26 5 - #522-9-8.99-8"x9"x3/4"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

27 4 - #522-12-13.14-12"x12"x3/4"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

28 5 - #524-9-4.74-4"x9"xl"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

29 4 - #524-9-6.84-6"x9"xl"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

30 2 - #524-9-8.99-8"x9"xl"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

31 4 - #524-12-13.14-12"x12"xl"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

32 3 - #526-9-4.74-4"x9"xl-l/2"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

33 3 - #526-9-6.84-6"x9"xl-l/2"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

34 11 - #526-9-8.99"x9"x1-1/2"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

35 4 - #526-12-13.14-12"x12"xl-l/2"cc Mueller All SS Clamp-Tapped, Single Bolt $_____

36 35 - #220-3-l.05-3/4"x3" Mueller Pipe Saver Clamp $_____

37 20 - #220-6-l.05-3/4"x6" Mueller Pipe Saver Clamp $_____

38 20 - #220-3-l.3l-l"x3" Mueller Pipe Saver Clamp $_____

39 20 - #220-6-l.31-l"x6" Mueller Pipe Saver Clamp $_____

40 50 - #220-3-l.66-l-l/4"x3" Mueller Pipe Saver Clamp $_____

41 50 - #220-6-l.66-l-l/4"x6" Mueller Pipe Saver Clamp $_____

42 30 - #210-3-1.66-1-1/4"x3" Mueller Pipe Saver Clamp $_____

43 30 - #210-6-1.66-1-1/4"x6" Mueller Pipe Saver Clamp $_____

44 100 - #212-3-l.90-l-l/2"x3" Mueller Pipe Saver Clamp Gridded gasket(full seal) $_____

45 100 - #212-6-l.90-l-l/2"x6" Mueller Pipe Saver Clamp Gridded gasket(full seal) $_____

46 100 - #212-3-2.37-2"x3" Mueller Pipe Saver Clamp

Gridded gasket(full seal) $_____

47 100 - #212-6-2.37-2"x6" Mueller Pipe Saver Clamp
Gridded gasket(full seal) $_____

48 50 - #530-9-4.70-4"x9" Mueller All SS Clamp-double bolt $_____

49 50 - #530-9-6.75-6"x9" Mueller All SS Clamp-double bolt $_____

50 50 - #530-9-8.88-8"x9" Mueller All SS Clamp-double bolt $_____

51 5 - #530-12-4.70-4"x12" Mueller All SS Clamp-double bolt $_____

52 5 - #530-12-6.75-6"x12" Mueller All SS Clamp-double bolt $_____

53 3 - #530-12-8.88-8"x12" Mueller All SS Clamp-double bolt $_____

54 2 - #530-12-ll.05-10"x12" Mueller All SS Clamp-double bolt $_____

55 6 - #530-12-13.10-12"x12" Mueller All SS Clamp-double bolt $_____

56 6 - #530-18-4.70-4"xl8" Mueller All SS Clamp-double bolt $_____

57 5 - #530-18-6.75-6"xl8" Mueller All SS Clamp-double bolt $_____

58 10 - #530-18-8.88-8"xl8" Mueller All SS Clamp-double bolt $_____

59 3 - #530-18-ll.05-10"xl8" Mueller All SS Clamp-double bolt $_____

60 4 - #530-18-l3.10-12"xl8" Mueller All SS Clamp-double bolt $_____

61 5 - #532-9-4.70-4"x9"x3/4" cc Mueller All SS Clamp-tapped,
double bolt $_____

62 6 - #532-9-6.75-6"x9"x3/4" cc Mueller All SS Clamp-tapped,
double bolt $_____

63 5 - #532-9-8.88-8"x9"x3/4" cc Mueller All SS Clamp-tapped,
double bolt $_____

64 5 - #534-9-4.70-4"x9"xl" cc Mueller All SS Clamp-tapped,
double bolt $_____

65 5 - #534-9-6.75-6"x9"xl" cc Mueller All SS Clamp-tapped,
double bolt $_____

66 5 - #534-9-8.88-8"x9"xl" cc Mueller All SS Clamp-tapped,
double bolt $_____

67 5 - #536-9-4.70-4"x9"xl-l/2" cc Mueller All SS Clamp-tapped,
double bolt $_____

68 5 - #536-9-6.75-6"x9"xl-l/2" cc Mueller All SS Clamp-tapped,
double bolt $_____

69 11 - #536-9-8.88-8"x9"xl-l/2" cc Mueller All SS Clamp-tapped,
double bolt $_____

70 l - #510-18-l5.10-14"xl8" Mueller clamp, Iron Bolts,
double bolt $_____

71 l - #5l0-18-l7.20-l6"xl8" Mueller clamp, Iron Bolts
double bolt $_____

72 1 - #510-18-l9.50-18"xl8" Mueller clamp, Iron Bolts,
double bolt $_____

73 1 - #5l0-18-21.60-20"xl8" Mueller clamp, Iron Bolts,
double bolt $_____

74 1 - #5l0-18-25.66-24"xl8" Mueller clamp, Iron Bolts,
double bolt $_____

75 1 - #510-18-31.22-30"x18" Mueller clamp, Iron Bolts,

	double bolt	$_____
76	1 - #510-18-37.86-36"x18" Mueller clamp, Iron Bolts, double bolt	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

RETAINER CLAMPS OR FRICTION CLAMP - W/UNDERGROUND WASHERS F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	15 - 4" retainer clamp	$_____
2	15 - 6" retainer clamp	$_____
3	15 - 8" retainer clamp	$_____
4	l - 10" retainer clamp	$_____
5	10 - 12" retainer clamp	$_____
6	3 - l6" retainer clamp	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

INSERTING VALVE COMPLETE WITH SLEEVE - STAINLESS STEEL -
F.O.B. CANTON, OHIO

Must be stainless steel, open right, complete with sleeve and compatible with City of Canton Water Department's Hydro-Stop Insta-Valve inserting machine.

Item	Quantity and Size	Estimated Part No.	Each
1	2 - 4" s.s .inserting valve complete		
	o.d. 4.50 - range 4.30-4.70	2204321000	$_____
	o.d. 4.80 - range 4.60-5.00	2204121000	$_____
2	2 - 6" s.s. inserting valve complete		
	o.d. 6.63 - range 6.43-6.83	2206221000	$_____
	o.d. 6.90 - range 6.70-7.10	2206121000	$_____
3	2 - 8" s.s. inserting valve complete		
	o.d. 8.63 - range 8.43-8.83	2208231000	$_____
	o.d. 9.05 - range 8.85-9.25	2208131000	$_____
	o.d. 9.79 - range 9.59-9.99	2208331000	$_____
4	1 - 10" s.s. inserting valve complete		
	o.d. 11.50 - range 11.35-11.70	2210432100	$_____
	o.d. 10.75 - range 10.55-10.95	2210241100	$_____
	o.d. 11.10 - range 10.90-11.3	2210141100	$_____
5	2 - 12" s.s. inserting valve complete		
	o.d. 13.50 - range 13.35-13.65	2212442100	$_____
	o.d. 12.75 - range 12.55-12.95	2212241100	$_____
	o.d. 13.20 - range 13.00-13.50	2212141100	$_____

o.d. 13.75 - range 13.55-13.95 2212541100 $_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

INSERTING VALVE INSTALLED BY CONTRACTOR - ROMAC OR EQUAL - CITY WILL EXCAVATE F.O.B. CANTON, OHIO

Item	Estimated Quantity and Size	Each
1	1 - 4" inserting valve complete installed by contractor	$_____
2	1 - 6" inserting valve complete installed by contractor	$_____
3	1 - 8" inserting valve complete installed by contractor	$_____
4	1 - 10" inserting valve complete installed by contractor	$_____
5	1 - 12" inserting valve complete installed by contractor	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

TAP SADDLES F.O.B. CANTON, OHIO

Tap saddles for prestressed concrete cylinder pipe must have straps in lieu of a solid back half. The gland and the saddle shall be separate pieces such that the saddle can be installed prior to cutting the prestressed wires and installing the gland. The saddle shall have gasket seals around its periphery and openings in the saddle for the purpose of grouting an annular space of approximately l/2" thickness between the exterior surface of the pipe and the underside of the saddle. The gland shall have a rubber gasket for making a watertight seal between the gland and the steel cylinder of the prestressed concrete cylinder pipe. The inside surface of the gland neck which will be in contact with the water shall be lined with cement mortar or a fusion applied epoxy per AWWA.

Item	Estimated Quantity and Size	Each
1	10 - 24" saddle w/1" cc tapered thread tap for 24" concrete pipe complete with band	$_____
2	10 - 30" saddle w/l" cc tapered thread tap for 30" concrete pipe complete with band (92")	$_____
3	10 - 36" saddle w/l" cc tapered thread tap for 36" concrete pipe complete with band (107")	$_____
4	6 - 42" saddle w/l" cc tapered thread tap for 42" concrete pipe complete with band (130")	$_____
5	10 -16" x 1" saddle w/l" cc tapered thread tap for 16" concrete pipe complete with band	$_____
6	4 -16" saddle w/1-1/2" cc tapered thread tap for 16" concrete pipe complete with band	$_____
7	4 -24" saddle w/1-1/2" cc tapered thread tap for 24" concrete pipe complete with band	$_____
8	4 -30" saddle w/1-1/2" cc tapered thread tap for 30" concrete pipe complete with band	$_____
9	4 -36" saddle w/1-1/2" cc tapered thread tap for 36" concrete pipe complete with band	$_____
10	4 - 42" saddle w/1-1/2" cc tapered thread tap for 42" concrete pipe complete with band	$_____

Terms_____
Manufacturer's Name_____
Delivery_____
Remarks_____

SERVICE SADDLES - FORD ONLY FC 202 DESIGN - SINGLE BANDED - STAINLESS STEEL - EPOXY COATED - WITH AWWA TAPER THREAD OR EQUAL F.O.B. CANTON, OHIO

Items	Estimated Quantity and Size	Ford	Each
1	25 - 4" x 1-1/2" service saddle	FC202-5.26-CC6	$_____
2	25 - 4" x 1" service saddle	FC202-5.26-CC6	$_____
3	25 - 6" x 1-1/2" service saddle	FC202-7.60-CC6	$_____
4	25 - 6" x 1" service saddle	FC202-7.60-CC6	$_____
5	20 - 8" x 1-1/2" service saddle	FC202-9.79-CC6	$_____

6	20 - 8" x 1" service saddle	FC202-9.79-CC6	$_____
7	10 - 10" x 1-1/2" service saddle	FC202-12.12-CC6	$_____
8	10 - 10" x 1" service saddle	FC202-12.12-CC6	$_____
9	20 - 12" x 1-1/2" service saddle	FC202-14.38-CC6	$_____
10	20 - 12" x 1" service saddle	FC202-14.38-CC6	$_____
11	10 - 16" x 1-1/2" service saddle	FC202-18.40-CC6	$_____
12	10 - 16" x 1" service saddle	FC202-18.40-CC6	$_____
13	4 - 18" x 1-1/2" service saddle	FC202-20.50-CC6	$_____
14	4 - 20" x 1-1/2" service saddle	FC202-22.20-CC6	$_____
15	4 - 24" x 1-1/2" service saddle	FC202-26.50-CC6	$_____

Terms _____
Manufacturer's Name _____
Delivery _____
Remarks _____

BIDDER INFORMATION SHEET
(PLEASE PRINT AND COMPLETE APPROPRIATELY)

DATE:_____

NAME OF BUSINESS ENTITY: _____.

PLEASE CHECK THE APPROPRIATE BOX AND COMPLETE THE PERTINENT INFORMATION

( ) CORPORATION.

Full name of corporation as contained in Articles of Incorporation: _____

State where Incorporated: _____

Full name and title of responsible officer: _____

( ) PARTNERSHIP.

Full name of partnership as contained in Partnership Agreement: _____

Full name of responsible partner and partner status (i.e. general or limited): _____

( ) SOLE PROPRIETORSHIP.

Full name(s) of individual owner(s) of business: _____

Please list company's full name
and any other designation
under which your company is
doing business as (dba): _____

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

Full Business Address: _____
CITY STATE ZIP CODE

Telephone Number: (_____) _____ Federal I.D. Number # _____

Purchase Terms: _____ % Net_____ Days Delivery Time: _____.

DURATION OF CONTRACT

This/these contract(s) will be for a one-year period with the option to extend the contract for thirty days at the sole discretion of the City of Canton. The effective date of the contract will not begin until the City has fully executed the contract.

ARTICLES OF INCORPORATION

Unless the bidder submits, with its bid, the "Articles of Incorporation" showing the name exactly as incorporated, under with the state of Ohio, Canton may request the bidder provide this information.

The Articles of Incorporation are the documents filed with the state (Ohio or otherwise) creating the corporate entity.

BID FORMS

Please be advised that it is the City of Canton Policy that the following bid forms be completed before the Contract can be executed. Please complete these forms and submit at the time of bid.

The EEO Bid Form 9 must be accompanied by the Company's' Affirmative Action Plan.

Please include copy of your Workmen's Compensation Certificate.

Bid Form 5

INSURANCE AFFIDAVIT

Each bidder shall obtain from its insurance representative and include in the bid submittal an insurance affidavit that contains the representations noted below. Make the affidavit on the insurance agency's letterhead, reference this project by name, and state at least the following:

(1.) The representative has reviewed and understands the insurance requirements (including the cancellation/non-renewal provisions) set forth in "General Conditions" § 1.14 Insurance.

(2.) The representative certifies that the company will provide the specified insurance should the contract be awarded to the contractor on whose behalf the certificate is being provided.

(3.) The names and A.M. Best Company ratings of companies required to provide the required insurance.

You must have the insurance affidavit notarized.

"General Conditions" INSURANCE § 1.14

A. The following standard indemnity agreement and minimum insurance requirements are incorporated in the Specifications for all work performed by the Contractor for the Owner, its affiliated and associated organizations or subsidiaries, hereinafter referred to as Owner.

I. The Contractor agrees to indemnify and save the Owner harmless from and against any and all costs, loss and expense, liability damages, or claims for damages, including cost for defending any action, on account of any injury to persons (including death) or damage to or destruction of property of the Owner, arising or resulting from the work provided for or performed, or from any act, omission, or negligence of the Contractor, Subcontractor and his or their agents or employees. The foregoing provisions shall in no way be deemed released, waived or modified in any respect by reason of any insurance or surety provided by the Contractor.

II. The Contractor shall maintain insurance of the kinds and in amounts specified in the attached schedule and furnish the Service Director with Certificates of Insurance as evidence thereof in the prescribed form. If any work provided for or to be performed under any Specifications is sublet (as otherwise permitted by the terms of such Specifications), the Contractor shall require the sub-contractors to maintain and furnish him with satisfactory evidence of Workmen's Compensation, Employers' Liability and such other forms and amounts of insurance which Contractor deems reasonably adequate.

III. In accordance with Item II, the Contractor shall maintain the following insurance:

l. Workmen's Compensation and Employer's Liability

Insurance affording,

(a) protection under the Workmen's Compensation Law in the State of Ohio.

(b) Employer's Liability protection subject to a minimum limit of $100,000.00.

2. Commercial General Liability Insurance in amounts not less than:

General Aggregate Limit	$2,000,000.00
Products - Completed Operations Aggregate Limit	$2,000,000.00
Personal and Advertising Injury Limit	$1,000,000.00
Each Occurrence Limit	$1,000,000.00
Fire Damage Limit	$50,000.00
Medical Expense Limit	$5,000.00

This insurance shall:

a. include coverage for the liability assumed by Contractor under Item I (Indemnity);

b. not to be subject to any of the special property damage liability exclusions commonly referred to as the XCU exclusions pertaining to blasting or explosion, collapse or structural damage and underground property;

c. not be subject to any exclusion of property used by the insured or property in the care, custody or control of the insured or property as to which the insured for any purpose is exercising physical control unless the required Builders Risk or Installation Floater coverage is indicated on the required Certificate of Insurance (Item III.4);

d. and the Certificates of Insurance furnished by the Contractor shall show by specific reference that each of the foregoing items have been provided for.

e. **INCLUDE THE CITY OF CANTON, OHIO AND ITS AGENTS, AS ADDITIONAL INSURED FOR PURPOSES OF COVERAGE UNDER THE SUBJECT POLICY**.

3. Comprehensive Automobile Liability Insurance in the following minimum amounts:

Bodily Injury and Property Damage any one accident or loss:	$1,000,000.00

4. The contractor will provide and maintain Installation/Builders Risk Insurance to protect the interests of both the contractor and the owner for materials transported to the job, stored or installed on the premises, or stored at any temporary location off premises. Such

insurance shall be written on an "All

Risk" form to include the perils of Fire, Extended Coverage, Vandalism, Malicious Mischief, Theft, Collapse and Water Damage. The amount of Insurance shall be 100% of the insurable value of the work performed. It should include all items of labor and materials incorporated therein, materials in storage, on or off the job site, scheduled for use in completing the work, and such other supplies and equipment incidental to the work as are not owned or rented by the contractor, the cost of which is included in the direct cost of the work. This Insurance shall not cover any tools, derricks, machinery, tar buckets, ladders, engines, workmen's quarters, boilers, pumps, wagons, scaffolds, forms, compressors, shanties or other items owned or rented by the Contractor, the cost of which is not included in the direct cost of the work.

B. The Certificates of Insurance furnished by the Contractor as evidence of the Insurance maintained by him shall include a clause obligating the Contractor to give the Service Director ten (10) days prior written notice for cancellation or any material change in the insurance.

-END-

PLEASE FILL OUT THIS FORM AND RETURN PROMPTLY TO THE ADDRESS BELOW

BIDDER AND CONTRACTOR EMPLOYMENT PRACTICES REPORT

Minority Coordinator
218 Cleveland Avenue SW
Canton, Ohio 44702

I. INSTRUCTIONS

A. EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENT: This form is designed to provide an evaluation of your policies and practices relating to the extension of equal employment opportunity to all persons without regard to race, religion, color, sex or national origin.

Ordinance No. 179-74 of the City of Canton and the rules and regulations pursuant thereto provide for a contract compliance inspection of personnel policies and practices related to any contract with the City including contracts for work, labor, services, supplies, equipment, materials, leases, concession agreements, and permits.

B. CONTRACTOR AND BIDDER PERFORMANCE: Completion of this Contractor and Bidder Employment Practices Report is one of the steps which demonstrates compliance with the City's Equal Employment Opportunity Program. Responsibility for demonstrating compliance with the Program by the contractor and his subcontractors rests with the contractor or subcontractor. Such demonstration is a prerequisite for continued eligibility for bidding on city contracts, or for continuing in contract with the City.

II. CONTRACTOR AND BIDDER INFORMATION

1. REPORTING STATUS ☐ a. Prime Contractor ☐ b. Prime Subcontractor ☐ c. Supplier ☐ d. Other (Specify)
2. NAME, ADDRESS AND TELEPHONE NUMBER OF BIDDER COVERED BY THIS REPORT
3. NAME, ADDRESS AND TELEPHONE NUMBER OF PRINCIPAL OFFICIAL OR MANAGER OF BIDDER
4. NAME, ADDRESS AND TELEPHONE NUMBER OF PRINCIPAL OFFICE OF BIDDER
5. CONTRACTING CITY AGENCY (OR AGENCIES)
6. SIGNATURE AND TITLE OF AUTHORIZED EQUAL EMPLOYMENT OPPORTUNITY REPRESENTATIVE |DATE

EVALUATION (level blank)

☐ Compliance

☐ Non-Compliance ☐ Follow-up _____

III. POLICIES AND PRACTICES

The bidder and the Contractor will indicate his willingness or unwillingness to comply with the requirements of the Equal Employment Opportunity Program of the City of Canton by encircling the appropriate or applicable letter to the left of each item below. The letters are to be interpreted as follows:

A - This is now a practice of the Company.
B - The Company will adopt this policy.
C - The Company cannot or will not adopt this policy. (If "C" is circled, state reason. Use separate sheet if additional space is needed.)

It is understood that the Company's willingness to participate in the Equal Employment Opportunity Program will be evaluated by the Office of Directors of Contract Compliance. This evaluation will directly influence our decision on the qualifications of each bidder and contractor, and is an integral part of your bid.

CIRCLE ONE	ITEMS	STATE REASON IF (C) IS CIRCLED
A B C	1. The Company will adopt a policy of non-discrimination on the basis of race, religion, color, sex, or national origin with regard to recruitment, hiring, training, upgrading, promotion and discipline of employees or applicants for employment.	
A B C	2. The Company will develop procedures which will assure that this policy is understood and carried out by managerial, administrative, supervisory personnel.	
A B C	3. The Company will state its non-discriminatory policy in writing and communicate it to the following: a. All employees b. All recruitment sources c. All subcontractors d. All relevant employee organizations including labor unions	
A B C	4. The Company will use recruitment sources such as employment agencies, unions, and schools which have a policy of referring applicants on a non-discriminatory basis.	
A B C	5. The Company will participate in training programs for the benefit of employees or prospective employees, according to the intent of City Ordinance Number 179-74.	
A B C	6. Company recruiters will seek a broad recruitment base in order that a representative cross-section of applications might be obtained, and will refrain from a hiring policy which limits job applicants to persons recommended by company personnel.	
A B C	7. The Company will take steps to integrate any position, departments, or plant locations which have no minority persons including African Americans or are almost completely staffed with one particular ethnic or racial group.	
A B C	8. The Company will review its qualifications for each job to determine whether such standards eliminate unemployed persons who could, if hired, perform the duties of the job adequately. The following qualifications should be reviewed: a. education b. experience c. tests d. arrest records	
A B C	9. Residence in a particular geographical area will not be a qualifying or disqualifying criterion for employment with the Company.	
A B C	10. The Company will provide that all bargaining agreements with employee organizations, including labor unions, have non-discrimination clauses requiring equal employment opportunity.	

IV. EMPLOYMENT DATA

Please note that this data may be obtained by visual survey or post-employment records. Neither visual surveys nor post-employment records are prohibited by any Federal, State or local law. All specified data are required to be filled in by law.

JOB CATEGORIES	ALL EMPLOYEES			MINORITY GROUP EMPLOYEES							
	TOTAL MALE & FEMALE	MALE	FEMALE	MALE				FEMALE			
				African American	Asian American	Native American	Hispanic	African American	Asian American	Native American	Hispanic
Officials, Mgrs and Supervisors											
Professionals											
Technicians											
Part-Time Seasonal											
Office and Clerical											
Craftsmen (Skilled)											
Operatives (Semi-skilled)											
Laborers (Unskilled)											
Service Workers											
TOTAL											
Total employment from previous report (if any)											

REMARKS Use this space to give any identification data appearing on last report which differs from that given above, explain major changes in employment, changes in composition of reporting units, and other pertinent information.

The undersigned certifies that he is legally authorized by the bidder to make the statements and representations contained in this report. That he has read all of the foregoing statements and representations and that they are true and correct to the best of his knowledge and belief. The undersigned, understands that if any of the statements and representations are made knowing them to be false or there is a failure to implement any of the stated intentions or objectives, set forth herein, without prior notice to the Office of Contract Compliance, the bidder will be subject to the loss of all future awards.

FIRM OR CORPORATE NAME _____ DATE OF SIGNING _____

SIGNATURE _____ TITLE _____

SIGNATURE _____ TITLE _____